

What Is Claimed Is:

1. A system for transmitting at least one of data and energy between a chassis and a seat, the seat being situated in a movable manner on the chassis with the aid of at least one slide which glides in a guide rail attached to the chassis, the system comprising:

a transformer including a first iron-core half and a second iron-core half, the first iron-core half having at least one primary winding, the first iron-core half being situated on the slide, the primary winding including a cable lying in the guide rail, the second iron-core half having at least one secondary winding, the second iron-core half being situated on the seat, the second iron-core half including two limbs situated in a longitudinal direction with respect to the guide rail, the first and second iron-core halves being situated relative to each other for the at least one of the data and energy transmission.

2. The system according to claim 1, wherein the first iron-core half is curved in such a way that it has an opening in a direction of the cable lying in the guide rail, through which the cable is guided.

3. The system according to claim 1, wherein the cable is tensioned in the guide rail by a clamping device.

4. The system according to claim 1, wherein a cleaning device which removes foreign bodies adhering to the cable during a movement of the slide in the guide rail is situated on the slide.

5. The system according to claim 1, wherein the cable has at least two conductors, a first of the conductors being provided for the energy transmission and a second of the conductors being provided for the data transmission.

6. The system according to claim 1, wherein, on a seat side, the transformer has a secondary winding for the data transmission and a further secondary winding for the energy transmission.

7. The system according to claim 1, further comprising a further transformer situated between the slide and the seat, one of the transformers being adapted for data transmission and the other of the transformers being adapted for energy transmission.